INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2005/000038

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C08K 7/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C08K 7/10

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean patents and applications for inventions since 1975

Korean utility models and applications for utility models since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) eKIPASS, ELSEVIER SCOPUS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
х	KR 10-2002-95380 A (POWERTECH INC.)	1-4, 7, 13-16, 18, 19
Υ .	26 December 2002 (2002-12-26) See abstract; 3-4 pages; claims 1-6, 9 and 13-16	5, 6, 8-12, 20
Y	US 2003/50354 A1 (Gilman, A.L. and Simpson, S. S.) 13 March 2003 (2003-03-13) See the whole document	5, 6, 8-12
Y	Hu, J. et al: "Synthesis of polyurethane/clay intercalated nanocomposites", COLLOID & POLYMER SCIENCE, SPRINGER-VERLAG, 2001, vol. 279, pages 819-822 See Experimental; Results and discussion	5, 11
Y	Kim, B.K. et al: "Morphology and properties of waterborne polyurethane/clay nanocomposites", EUROPEAN POL YMER JOURNAL, ELSEVIER SCIENCE LTD., 2003, vol. 39, pages 85-91 See Experimental procedure; Results and discussion	5, 6, 11, 20
A	Feng, W. et al: "Polymerization compounding: Epoxy-montmorillonite nanocomposite", POLYMER ENGINEERING AND SCIENCE, JOHN WILEY & SONS INC., 30 September 2002 (2002-09-30), vol. 42, pages 1827-1835 See the whole document	1-4, 7, 13, 14
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\geq	Further documents are listed in the continuation of Box C.		See patent family annex.
*	Special categories of cited documents:	"T"	later document published after the international filing date or priority
"A"	document defining the general state of the art which is not considered to be of particular relevance		date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive
"L"	document which may throw doubts on priority claim(s) or which is		step when the document is taken alone
	cited to establish the publication date of citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is
"O"	document referring to an oral disclosure, use, exhibition or other means		combined with one or more other such documents, such combination being obvious to a person skilled in the art
"P"	document published prior to the international filing date but later than the priority date claimed	"&"	document member of the same patent family

11 APRIL 2005 (11.04.2005)

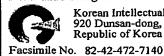
Date of the actual completion of the international search

10 17777 2007 (10 0 1 00

Date of mailing of the international search report

18 APRIL 2005 (18.04.2005)

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INTERNATIONAL SEARCH REPORT

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PCT/KR2005/000038

C (Continuat	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Chen, TK. et al: "Synthesis and characterization of novel segmented polyurethane/clay nanocomposite", POLYMER, ELSEVIER SCIENCE LTD., 2000, vol. 41, pages 1345-1353 See Experimental	5, 11
A	US 6,242,500 B1 (AMCOL International Corp.) 5 June 2001 (2001-06-05) See abstract; figure 5-7	